

Assistive Technology Ideas for Math

STRATEGIES & MODIFICATIONS

- Reduce clutter on desk
- Seating position
- Extended time for assignments/tasks
- Reduced or alternative assignments/tasks
- Use clear, simple directions with examples & checks for comprehension
- Peer tutor/cross age tutor &/or volunteer
- Allow manipulatives/counters/calculators
- Functional application of math skills
- Adapt worksheets and packets
- Teach "counting on" & other math strategies
- Teach "problem solving"
- Alter type of info (i.e. give answer first)
- Use visual cues (see light tech)
- Large print
- Use alternative page set ups
- Reduce number of items on page
- Provide adequate space for students to write out solutions
- Follow a standard format for worksheets
- Use white space, boxes to fill in, individual cards with answers or answered problem
- Eliminate need to copy problems
- Minimize number of items on page
- Avoid mixing "signs" on page
- Teach imagery techniques
- Use mnemonic devices
- Use "Finger Math" <http://klinton.cs.iupui.edu/~aharris/chis/chis.html>

LIGHT-TECH

- Manipulatives (blocks, magnetic objects, etc.) with or without templates
- Abacus (regular or enlarged)
- Visual cues (# line, posters, templates, etc.)
- Note cards with terms/symbols as memory triggers
- Use fact charts
- Math dictionary
- Dotted, highlighted or graph paper to line up math problems
- Graph paper for place value
- Circle or highlight computation sign
- Calculators
- Dice made with large squares of foam
- Counting mat or boxes
- Number line on desk
- Mini whiteboard/chalkboard
- Alter workbooks/worksheets
- Flash cards with string and beads attached
- Walking number line on floor
- Multiplication grid
- Lined paper turned sideways for columns
- Card holders
- Number stamps
- Computational aides
- Containers for counters
- Tangrams
- Geoboards
- Visual/interactive support -overhead projector

HIGHER-TECH

- Talking calculators
- Printing calculators
- Braille calculators
- Calculator with large keys, LCD, printout
- Voice output measuring devices
- Tactile graphics &/or measuring tools
- Conversion calculators
- Coin-U-Lator
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- **Computer/Software**
- On-screen calculator
- Enlarged &/or talking &/or printing calculator
- Software with templates for computation
- Software for manipulation of objects
- Accessibility Options in Control Panel
- Software for adapted input methods
- Simulation software
- Software for money skills, budgeting, etc.
- Math talking worksheet software
- Software to bridge between concrete & abstract
- Spreadsheet software
- Graph making software
- Interactive online math activities
- Word Equation Editor
- Use paint program to complete worksheet
- PowerPoint activities
- KidsPix software
- Inspiration/ Kidspiration
- Math freeware and shareware